

Name: _____
PC: Vertical and Horizontal Stretches and Shrinks HW

Date: _____
Ms. Loughran

For 1-6, sketch each function on a separate piece of graph paper, including a minimum of 3 points. Then state the domain, range and coordinates of x and y intercepts.

1. $f(x) = 2(x+1)^2 - 3$

2. $f(x) = -2(x-1)^3 + 1$

3. $f(x) = \left| \frac{1}{2}x \right| + 2$

4. $f(x) = \left(\frac{1}{3}x \right)^4 + 1$

5. $f(x) = 2\sqrt{x}$

6. $f(x) = \sqrt{2x}$